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START-OF-DELIVERY SENSOR SYSTEM
for dynamic start-of-delivery testing
on in-line injection pumps

I-400/118 En
8.1984

Notes on how to set fuel-injection pumps on the in-
jection-pump test bench

1. Mounting the sliding flange on fuel-injection pumps
of series MW/RW

Set prestroke as before at outlet 1 in accordance with
test specification and test start of delivery.

Then turn injection-pump camshaft further in the same
direction of rotation by the value given in the test-
specification sheet.

1

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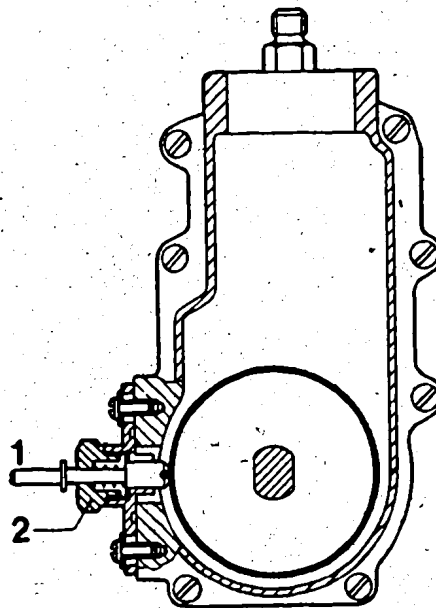
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E7

→ 78 E6 E7

78 79 80 81 82



- 1 = Holding device KDEP 1077
2 = Union nut

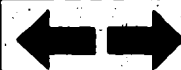
For static basic timing of the injection pump to the engine, the flyweight capsule must be fixed precisely in this position with the aid of the sliding flange and holding device, KDEP 1077.

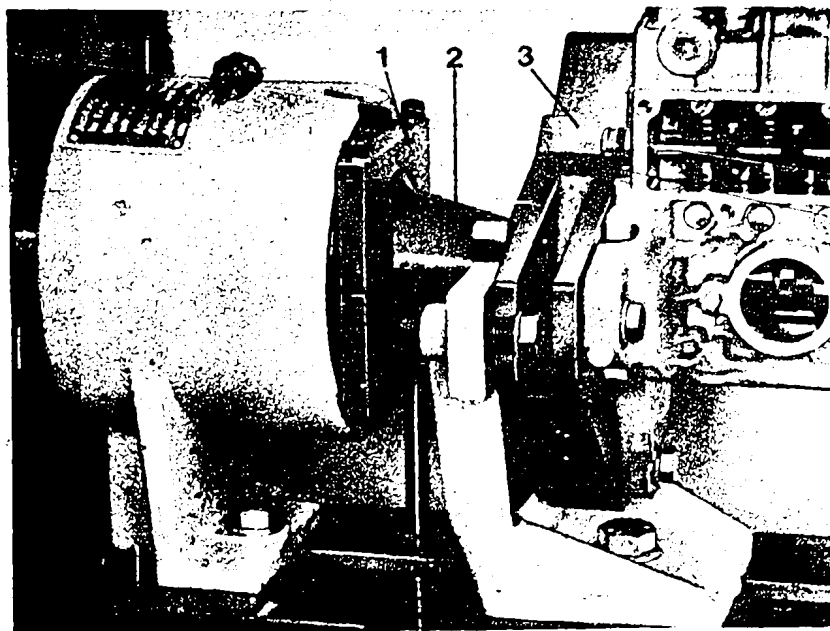
Note:

It is essential to remove the holding device after mounting the pump on the engine and to replace it by screw plug.

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- 1 = Clamping device
 2 = Coupling half *
 3 = Clamping flange *

KDEP 1545
 1 686 432 019
 1 685 720 208

2. Mounting flyweights on injection pumps of series M/RSF II

Set prestroke as before at outlet 1 in accordance with test specification and test start of delivery.

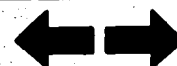
Then turn injection-pump camshaft further in the same direction of rotation by the value given in the test-specification sheet.

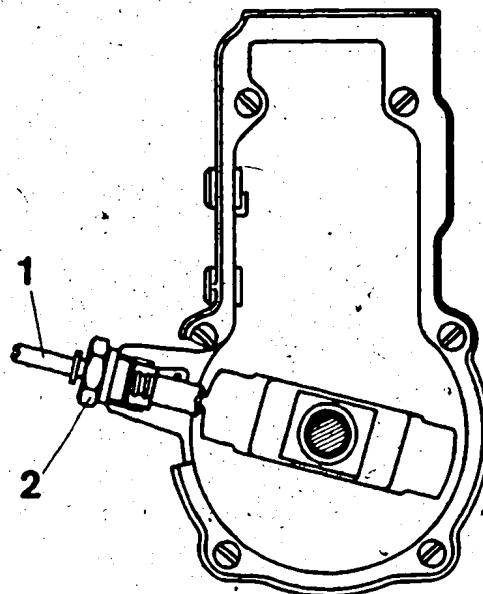
Mount clamping device KDEP 1545 on driving coupling so that the stay bolt is supported on the guide bed of the injection-pump test bench..

* These accessory parts are required for the M/RSF II pump in the Mercedes-Benz 190 D.

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- 1 = Holding device KDEP-1077
2 = Union nut

Mount flyweight part on camshaft. Align flyweight according to the sensor bore and fix precisely in this position with holding device KDEP-1077. Mount fastening nut of flyweight and tighten to a preliminary tightening torque of 20 ± 10 Nm.

Remove holding device KDEP 1077 and tighten fastening nut of flyweight to 50 - 60 Nm.

Remove clamping device KDEP 1545.

Caution:

Position of camshaft (according to test-specification sheet) must not change throughout the entire flyweight mounting process.

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Note:

It is essential to remove holding device KDEP 1077 after mounting the pump on the engine and to replace it by screw plug.

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